

1. An optical spectrum analyzer comprising:
a spectrograph outputting light;
a device diffracting the light output from the spectrograph at an angle, the device being controllable to control the angle;
a photodevice array detecting the light from the device; and
a control circuit detecting a wavelength deviation in accordance with the light detected by the photodevice array and an assigned position of a wavelength of the diffracted light in the photodevice array, and controlling the device to control the angle in accordance with the detected wavelength deviation.

2. An optical spectrum analyzer comprising:
a spectrograph outputting light;
an device changing an angle of the light output from the spectrograph;
a first photodevice array comprising photodevices with gaps between the photodevices; and
a second photodevice array comprising photodevices, the photodevices of the second photodevice array being arranged to compensate for the gaps between the photodevices of the first photodevice array, the first and second photodevice arrays together detecting the light output by the spectrograph and having an angle changed by the device.

3. An optical spectrum analyzer comprising:
a device changing an angle of a light, the optical spectrum analyzer detecting a spectrum in accordance with the light having the changed angle, wherein the device is controllable to control the angle and thereby improve measurement accuracy of the detected spectrum.

4. An optical spectrum analyzer comprising:
a device changing an angle of a light, the optical spectrum analyzer detecting a spectrum in accordance with the light having the changed angle; and
means for controlling the device to control the angle and thereby improve measurement accuracy of the detected spectrum.

5. An optical spectrum analyzer comprising:
a device changing an angle of a light, the device being controllable to control the angle; and
a photodevice array receiving the light having the changed angle, the device being controlled in accordance with the light as received by the photodevice array to control the angle.

6. An optical spectrum analyzer comprising:
a device changing an angle of light;
a photodevice array receiving the light having the changed angle; and
means for controlling the device to control the angle to thereby improve measurement accuracy of the optical spectrum analyzer.

7. An optical spectrum analyzer comprising:
a spectrograph outputting light;
a device changing an angle of the light output from the spectrograph;
a photodevice array detecting light having an angle changed by the device; and
means for detecting a wavelength deviation in accordance with the light detected by the photodevice array and an assigned position of a wavelength of the light in the photodevice array, and for controlling the device to control the angle in accordance with the detected wavelength deviation.

8. An optical spectrum analyzer comprising:
a device diffracting light;
a first photodevice array comprising photodevices with gaps between the photodevices; and
a second photodevice array comprising photodevices, the photodevices of the second photodevice array being arranged to compensate for the gaps between the photodevices of the first photodevice array, the first and second photodevice arrays together detecting the light diffracted by the device to thereby detect a spectrum by the optical spectrum analyzer.